INTERNATIONAL SEARCH REPORT

International application No. PCT/US99/21235

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A. CLASSIFICATION OF SUBJECT MATTER			
IPC(6) :GO9G 5/00, 5/08, 5/26, 5/34			
US CL :Please See Extra Sheet.			
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols)			
U.S. : 345/7, 8, 121, 123, 127-130, 145, 157, 158, 419; 348/53, 63, 64, 115; 382/114			
Documentation searched other than minimum documentation to the	a autant that such decreases are included in	a the fields seembed	
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
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C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category* Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.	
A US 5,442,734 A (MURAKAMI et al)	US 5,442,734 A (MURAKAMI et al) 15 August 1995, Figs. 1, 2.		
A US 5,579,026 A (TABATA) 26 Nove	US 5,579,026 A (TABATA) 26 November 1996, Fig. 10.		
A US 5,777,715 A (KRUEGLE et al) 0'	US 5,777,715 A (KRUEGLE et al) 07 July 1998, Fig. 1.		
r			
	1		
Further documents are listed in the continuation of Box C. See patent family annex.			
* Special categories of cited documents: "T* later document published after the international filing date or priority			
"A" document defining the general state of the art which is not considered to be of particular relevance	date and not in conflict with the application but cited to understand the principle or theory underlying the invention		
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L document which may throw doubts on priority claim(s) or which is	when the document is taken alone		
cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance, the	claimed invention cannot be	
O document referring to an oral disclosure, use, exhibition or other means	considered to involve an inventive a combined with one or more other such a being obvious to a person skilled in the	documents, such combination	
P document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family		
Date of the actual completion of the international search Date of mailing of the international search report			
18 NOVEMBER 1999 0 2 FEB 2000			
Name and mailing address of the ISA/US	Authorized afficur		
Commissioner of Patents and Trademarks			
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